

UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF CONNECTICUTSRS
10.4
550340UNITED STATES OF AMERICA,
Plaintiff,

-vs-

SOLVENTS RECOVERY SERVICE OF
NEW ENGLAND,
Defendant

Civil Action No. H-79-704

AFFIDAVIT

I, Edward L. Taylor, first being duly sworn, depose and say as follows:

1. Since April 18, 1971, I have been employed by the United States Environmental Protection Agency as Chief of the Chemistry Section, Analysis Division at the EPA New England Regional Laboratory. My duties in this position include the management of chemical laboratory services performed at the New England Regional Laboratory, as well as the management of a contract between EPA, Region I and various private laboratories, under which these laboratories conduct chemical analyses for EPA.

2. In this capacity, I have performed work in support of the case of U.S. vs. Solvents Recovery Service of New England. This work has included the oversight of certain chemical laboratory services performed at the New England Regional Laboratory with respect to samples obtained on and in the vicinity of the Solvents Recovery Service of New England site. I have also arranged for the analysis of certain SRSNE samples by three different local laboratories under the contract referred to in paragraph 1, above.

3. The attached documents specify the work performed by the three local laboratories (GCA Corporation, GTE Laboratories, Inc., and Energy Resources Co., Inc.) on SRSNE samples and state the costs incurred by the government in procuring those services.

4. The expenses to the government for the work described in paragraph 3, above, was \$4,940.00.

5. The chemical laboratory services performed by the New England Regional Laboratory included with respect to SRSNE samples the following: analysis of 15 samples in March of 1980 for volatile organics, and analysis of 33 samples in September of 1982 for volatile organics.

-2-


6. Although the cost accounting procedures of the New England Regional Laboratory do not provide cost data on a sample by sample basis, governmental costs in providing these laboratory services can be estimated by analogy to private laboratory costs. Since samples analyzed by the New England Regional Laboratory are subject to more extensive quality control and verification procedures than are samples analyzed by private laboratories and since in all other respects (i.e., equipment, maintenance, space) EPA and private costs are equivalent, private laboratory costs are an accurate indication of minimal governmental costs.

7. Costs incurred over the past six months for volatile organic analyses by private laboratories indicate an average cost of \$313 per sample. This average cost reflects a decline from the average commercial laboratory costs in past years due to increased automation and increased familiarity with EPA analytical protocols.

8. Based on an average cost of \$313 per sample, it can be estimated that the cost to the government for conducting the analyses referred to in paragraph 5, above, has been at least \$15,024.

9. The total cost incurred by the government for the analytical work described in paragraphs 3 and 5, above, has been \$19,964.

Further, Affiant sayeth not.


Edward L. Taylor
Chief, Chemistry Section

SUBSCRIBED AND SWORN
TO BEFORE ME
THIS 21st DAY OF
OCTOBER, 1982


Notary Public

My Commission expires on

6/19/89

0007642

MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBERS

1. DATE OF ORDER 11/3/80	2. CONTRACT NO. (if any) OM	3. ORDER NO. 1Z0096NCLX	PAGE 1 OF 1
-----------------------------	--------------------------------	----------------------------	----------------

4. ISSUING OFFICE

Regional Office

5. ACCOUNTING AND APPROPRIATION DATA

6810200 P00402 1B5301P001 25.35

6. SHIP TO (Consignee and Address, ZIP Code)

Environmental Protection Agency, WERL
60 Westview St., Lexington, MA 02173

VIA

7. TO: CONTRACTOR (Name, Address, ZIP Code)

CCA Corporation
Burlington Road
Burlington, MA 02138

8. TYPE OF ORDER

☒ (a) Purchase Reference your _____

Please furnish the following on the terms specified on both sides of this order and on the attached sheets, if any, including delivery as indicated. This purchase is negotiated under authority of _____

41 USC 252 (c) (3)

☐ (b) Delivery Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. REQUISITION OFFICE

Edward L. Taylor

10. REQUISITION NO./PURCHASE AUTHORITY

81-45

11. F.O.B. POINT

N/A

12. GOVERNMENT B/L NO.

N/A

13. DELIVERY TO F.O.B. POINT ON OR BEFORE

N/A

14. DISCOUNT TERMS

N/A

15. SCHEDULE

*See reverse for rejections

Item No. (a)	Supplies or Services (b)	Quantity Ordered (c)	Unit (d)	Unit Price (e)	Amount (f)	Quantity Accepted (g)
	<p>NO EQUIPMENT WILL BE ORDERED AGAINST THIS PURCHASE ORDER</p> <p>This Blanket Purchase Order is for sample analysis services. It will be in effect from date of award to September 30, 1981.</p> <p>Call Number <u>2</u></p> <p>Estimate <u>\$2620.00</u></p> <p>Attachment A is incorporated and made a part of this contract.</p> <p>Please see Work Statement, Groups A, B, and C attached.</p> <p>Alterations of Terms and Conditions of SP 147 dated 6/80 (Rev. 2/77) is attached.</p>					

APPENDIX A ATTACHED IS INCORPORATED AND MADE A PART OF THIS CONTRACT.

302

16. CLASSIFICATION:

☐ SMALL BUSINESS☒ OTHER THAN SMALL BUSINESS☐ MINORITY BUSINESS ENTERPRISE

15. (h) Total from continuation pages

SEE BILLING INSTRUCTIONS ON REVERSE

17. SHIPPING POINT

18. GROSS SHIPPING WEIGHT

19. INVOICE NO.

20. MAIL INVOICE TO (Include ZIP Code)

Environmental Protection Agency, JFK Federal Bldg.

Boston, MA 02203 Attn: Financial Management Branch

15. (i) GRAND TOTAL

21. UNITED STATES OF AMERICA BY (Signature)

22. NAME (Typed)

Louis F. Gitto

TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES

147-107

STANDARD FORM 147 (REV. 2-77)

Prescribed by GSA, FPR (41 CFR) 1-3.605

0007643

RECEIVING REPORT (See instructions on reverse)		1. WEIGHT	2. PURCHASE ORDER NO. 1Z0096NCLX, Call 2		
3. REQUISITIONING OFFICE NERL, 60 Westview St., Lexington, MA 02173		4. NO. OF PACKAGES	5. CONTRACT NO.		
6. RECEIVED FROM VENDER (Give name and mailing address. Include ZIP code) GCA Corporation Burlington Road Burlington, MA 02138		7. REQUISITION NO.		8. TYPE OF RECEIPT <input checked="" type="checkbox"/> PARTIAL NO. _____ <input type="checkbox"/> FINAL	
9. ITEM NO.	10. DESCRIPTION OF ARTICLE OR SERVICE	11. QUANTITY RECEIVED	12. UNIT	13. UNIT PRICE	14. AMOUNT
	Analysis of 16 fluid samples				\$2620.00
15. REMARKS (Include data concerning supplies or services not conforming to contractual requirements)			16. TOTAL COST OF ALL PAGES		
			17. PAGE 1 OF PAGES		
18. I certify that the articles or services indicated in the "Quantity Received" column were received on the date shown below and in the quantity and quality specified, or the services have been performed as stated, except as noted under "Remarks"					
19. DATE RECEIVED 9/2/81		20. SIGNATURE OF RECEIVING CLERK, SUPPLY ACTIVITY			
21. DATE RECEIVED		22. SIGNATURE OF AUTHORIZED EMPLOYEE, REQUISITIONING OFFICE			
23. SIGNATURE OF ACCOUNTABLE OFFICER OR DESIGNEE		24. DATE		25. VOUCHER NO.	

Authorization is hereby given for Call No. 2 of

GCA

(Company)

Samples were received on 6/24/81. Payment is
(Date)

approved. Data ^{due} rec'd 7/31/81
Data rec'd 8/18/81

Date:

8/27/81

T. M. Smith

Project Director

0007645



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I

60 WESTVIEW STREET, LEXINGTON, MASSACHUSETTS 02173

RECEIPT OF SAMPLES FOR ANALYSIS

Received from Edward Tyngh of EPA, NERL

on 6/23 1980

samples. Sample No.'s 11 vials (505-20, 23, 24, 25, 26, 27, 28, 29, 30)
4 Extractables 505-31, 505-22, 505-10, 505-3

per Call No. 2 PO #1Z0096NCLX

Signed: Bruce Fessenden

Title: driver

Company: GCA

Date: 6/23/81

In 2 of 2 vials #505-22
in bottle
50522

GCA CORPORATION
Technology Division213 Burlington Road
Bedford, Massachusetts 01730
Telephone: 617-275-5444
Telex: 92-3339

12 June 1981

Environmental Protection Agency
Region I - NERL
60 Westview Street
Lexington, MA 02173

Attention: Ms. Elaine Thiesing

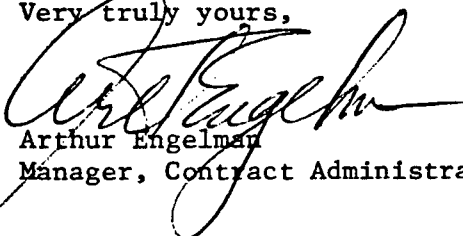
Subject: Blanket Purchase Order No. 1Z0096NCLX
(GCA 4-200-875-06)

Gentlemen:

GCA is pleased to confirm its verbal estimate provided on 12 June 1981 by M. Atkinson to E. Thiesing of \$2,620 on a firm fixed price basis for analysis of twelve (12) fluid samples for volatile organics; four (4) fluid samples for methyl ethyl ketones, methyl isobutyl ketones, isopropyl alcohol, tetrahydrofuran, and acetone; and four (4) fluid samples for acid extractables and base/neutral extractables. GCA is prepared to submit a written report of results within thirty (30) days of receipt of samples.

Should any additional information be required, please feel free to contact the undersigned.

Very truly yours,

Arthur Engelman
Manager, Contract Administration

AE:jaf

185 Alewife Brook Parkway
Cambridge, Massachusetts 02138
(617) 661-3111 TWX 710-320-0721

Washington, D.C.
Houston, Texas
Torrance, California
La Jolla, California

Walnut Creek, California
Paris, France
Zurich, Switzerland

June 12, 1981

Elaine Thiesing
EPA
60 Westview Street
Lexington, MA 02173

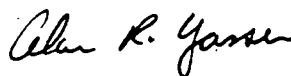
Dear Elaine,

ERCO is pleased to submit the following quote for the analysis required by the EPA Lexington laboratory.

<u>TYPE OF ANALYSIS</u>	<u>PRICE/SAMPLE</u>	<u>TOTAL</u>
12 VOA's	\$160	\$1920
4 Base/Neutral Fractions	300	1200
4 Acid Fractions	200	800
	TOTAL	\$3920

If you require additional information call me at 661-3111.

Sincerely yours,



Alan R. Yasser
Director of Laboratory Services

ARY/sah

GPO : 1971 O - 449-545

PROCUREMENT REQUEST/REQUISITION (Please read instructions on reverse before completing the form)		1. DATE		2. DATE REQUIRED		PAGE OF	
3a. ORIGINATOR (Name) <i>Edward L Taylor</i>		b. PROG ELEM		4. DELIVER TO:		5a. PROJECT MANAGER (Name)	
c. PHONE NO. d. MAIL CODE		e. DIVISION				b. TELEPHONE NO. 6. PROCUREMENT OFF.	
7. PROCUREMENT OFFICE USE ONLY <input type="checkbox"/> ORAL ORDER - ORDER NO.							
PURCHASE AUTHORITY/CONTRACT NO.		DISCOUNT TERMS		PERSON TAKING ORDER/QUOTING		FOB POINT	
VENDOR NAME AND ADDRESS				DATE		TELEPHONE	
				CONTRACTING/ORDERING OFFICER		TELEPHONE	
8. FINANCIAL DATA (a) APPROPRIATION				9. SERVICING FINANCE OFFICE			
FMO USE (b)				DOCUMENT CONTROL NO. (c)		ACCOUNT NO. (e)	
						OBJECT (f)	
						AMOUNT (g)	
						DOLLARS CTS.	
1 2 3 4 5 6 7 8 9 10 11 12 13				14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	
2							
2							
2							
NOTE: ITEM 8(c) DOCUMENT TYPE - CONTRACT = 'C', PURCHASE ORDER = 'P', IGA = 'A', OTHER (MISC) = 'X'							
10. AMOUNT OF MONEY SHOWN AS COMMITTED IS: <input type="checkbox"/> ORIGINAL <input type="checkbox"/> DECREASE <input type="checkbox"/> INCREASE				11. CONTRACTING OFFICE <input type="checkbox"/> AUTHORIZED <input type="checkbox"/> NOT AUTHORIZED TO EXCEED BY 10% AMOUNT SHOWN			
12. PLANNING ID NO.							
STOCK OR ITEM NO. (13) <i>Water - for GC/MS analysis - Priority</i>		DESCRIPTION		QUANTITY (15) <i>12 samples</i>		UNIT OF ISSUE (16) <i>per sample</i>	
		12 samples for Vol. Org. Anal 4 samples will be of hi conc ie in the PPM range These samples will also need to be looked at for Methyl Ethyl Ketone Methyl Isobutyl Ketone Isopropyl Alcohol Tetrahydrofuran Acetone 6 samples will be in the low conc range (PPB) 2 will be field blanks. 4 samples for extractables (Acid and Base - Neutralized) 30 day turnaround.					
19. SUGGESTED CONTRACTOR/VENDOR				21. SIGNATURE OF ORIGINATOR <i>Edward L Taylor</i>		DATE <i>6/14/81</i>	
				22. SIGNATURE OF PROP MGT OFFICER/DESIGNEE		DATE	
20. RECOMMENDED PROCUREMENT METHOD <input type="checkbox"/> COMPETITIVE <input type="checkbox"/> NONCOMPETITIVE (Justification attached)				23. ACCOUNTABLE PROPERTY <input type="checkbox"/> INITIALS		24. NOT AVAILABLE FROM EXCESS <input type="checkbox"/> INITIALS	
25. APPROVALS							
a. BRANCH/OFFICE <i>Edward L Taylor</i>		DATE <i>6/14/81</i>		d. FINANCE		DATE	
b. DIVISION/OFFICE <i>Spencer</i>		DATE <i>6/14/81</i>		e. OTHER		DATE	
c. FUNDS LISTED ABOVE ARE AVAILABLE AND RE-SERVED		DATE <i>6/14/81</i>		f. OTHER		DATE	

MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBERS

1. DATE OF ORDER 11/10/81	2. CONTRACT NO. (if any) OK	3. ORDER NO. 220065HALX	PAGE 1 OF 1
4. ISSUING OFFICE Region I / Boston			
5. ACCOUNTING AND APPROPRIATION DATA 68-20X8145 2TFA01X08 P004 ²⁵³⁵ 2525 RETUNE			
6. SHIP TO (Consignee and Address, ZIP Code) Environmental Protection Agency, NEEL 60 Westview St., Lexington, MA 02173		VIA JUN 25 11 17 AM '82	
7. TO CONTRACTOR (Name, Address, ZIP Code) CITE Laboratories, Inc. 40 Sylvan Road Waltham, MA 02154		8. TYPE OF ORDER <input checked="" type="checkbox"/> (a) Purchase Reference your Please furnish the following on the terms specified on both sides of this order and on the attached sheets, if any, including delivery as indicated. This purchase is negotiated under authority of 41 USC 252 (c) (3) <input type="checkbox"/> (b) Delivery Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. REQUISITION OFFICE Edward Taylor	10. REQUISITION NO./PURCHASE AUTHORITY 82-48		
11. F.O.B. POINT Destination	12. GOVERNMENT B/L NO. N/A	13. DELIVERY TO F.O.B. POINT ON OR BEFORE per call	14. DISCOUNT TERMS Net

15. SCHEDULE

Item No. (a)	Supplies or Services (b)	Quantity Ordered (c)	Unit (d)	Unit Price (e)	Amount (f)	Quantity Accepted (g)
	<p>NO EQUIPMENT WILL BE ORDERED AGAINST THIS PURCHASE ORDER.</p> <p>This Blanket Purchase Agreement is for sample analysis services. To be in effect from date of award to 9/30/82. See Work Statement attached, Groups A, B and C.</p> <p>Call Number <u>42</u></p> <p>Estimate <u>\$200.00</u></p> <p>Appendix A attached is incorporated and made a part of this contract.</p> <p>Attachment A attached is incorporated and made a part of this contract.</p> <p>Alterations of terms and conditions of SF147 dated 6/80 is made part of contract.</p>					

FILE COPY

16. CLASSIFICATION: <input type="checkbox"/> SMALL BUSINESS <input checked="" type="checkbox"/> OTHER THAN SMALL BUSINESS <input type="checkbox"/> MINORITY BUSINESS ENTERPRISE				15. (h) Total from continuation pages
SEE BILLING INSTRUCTIONS ON REVERSE	17. SHIPPING POINT	18. GROSS SHIPPING WEIGHT	19. INVOICE NO.	15. (i) GRAND TOTAL
	20. MAIL INVOICE TO (include ZIP Code) Environmental Protection Agency, JVE Federal Bldg. Boston, MA 02203 Attn: Financial Management Branch			
21. UNITED STATES OF AMERICA By (Signature) Louis F. Gitto			22. NAME (Typed) Louis F. Gitto	
			TITLE: CONTRACTING/ORDERING OFFICER	

0007651

RECEIVING REPORT (See instructions on reverse)		1. WEIGHT		2. PURCHASE ORDER NO. 220065NALX, Call #2	
3. REQUISITIONING OFFICE MERL, 60 Westview St., Lexington, MA		2. NO. OF PACKAGES		5. CONTRACT NO.	
6. RECEIVED FROM VENDOR (Give name and mailing address. Include ZIP code) GTE Laboratories, Inc/ 40 Sylvan Road Waltham, MA 02154				7. REQUISITION NO.	
				8. TYPE OF RECEIPT <input checked="" type="checkbox"/> PARTIAL NO. <input type="checkbox"/> FINAL	
ITEM NO. 9.	DESCRIPTION OF ARTICLE OR SERVICE 10.	QUANTITY RECEIVED 11.	UNIT 12.	*UNIT PRICE 13.	*AMOUNT 14.
	2 well waters for volatile organics				\$200.00
15. REMARKS (Include date concerning supplies or services not conforming to contractual requirements)				16.* TOTAL COST OF ALL PAGES	
				17. PAGE 1 OF PAGES	
18. I certify that the articles or services indicated in the "Quantity Received" column were received on the date shown below and in the quantity and quality specified, or the services have been performed as stated, except as noted under "Remarks".					
19. DATE RECEIVED		20. SIGNATURE OF RECEIVING CLERK, SUPPLY ACTIVITY			
21. DATE RECEIVED 9/15/82		22. SIGNATURE OF AUTHORIZED EMPLOYEE, REQUISITIONING OFFICE <i>[Signature]</i>			
23. SIGNATURE OF ACCOUNTABLE OFFICER OR DESIGNEE		24. DATE		25. VOUCHER NO.	

0007652

Authorization is hereby given for Call No. 2 of

GTE
(Company)

Samples were received on 7/28/82. Payment is
(Date)

approved.

Date: 9/15/82

EL Taylor
Project Director

Note:

There was a potential Q.C. problem & decision
to use was not made till 9/1/82

0007653



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

60 WESTVIEW STREET, LEXINGTON, MASSACHUSETTS 02173

RECEIPT OF SAMPLES FOR ANALYSIS

Received from Richard Cushman of EPA, NERL

on 6-23 1982 2

samples. Sample No.'s 53338

53339

per Call No. #2, PO 2Z0065NALX

Signed: Dorel L. Huggie

Title: MTS

Company: GTE

Date: 6/23/82

2 Well Water Samples for Volatile Organics

0007654

June 17, 1982

GTE

Ms. Elaine Thiesint
Environmental Protection Agency
60 Westview Street
Lexington, MA 02173

Dear Ms. Thiesint:

Ref.: P. O. #2Z0065NALX

Confirmation is given to the following bids made on
June 16, 1982 under P. O. #2Z0065NALX.

Job #1 - 2 well water samples - volatiles - \$200.00

Job #3 - 2 well water samples - extractables - \$600.00

Job #5 - 14 well water samples - volatiles - \$1,000.00

Job #6 - 2 water samples PCBs - \$200.00

Sincerely,



Paul Lublin
Manager
Materials Evaluation

/jal

cc: D. Bracco
D. Dugger
R. Keegan
R. Black
F. J. Reid
P. E. Ritt

0007655

WORKSHEET FOR SMALL PURCHASES

Dublin X 2760

REQUISITION NO. ①		DATE 6-14-82		QUOTES <input checked="" type="checkbox"/> ORAL <input type="checkbox"/> WRITTEN	
VENDOR -		ERCO		GCA	
TELEPHONE NO.		x432 661-3111		x4014 275-5444	
DATE QUOTED BY	DATE QUOTE #	Dallas Wait		Mary Atkinson	
SB-LB-OTHER				Dr. Donald Duggan	
DELIVERY OFFER		30 days		30 days	
TERMS					
FOB POINT					
ITEM NO.	QUANTITY	UNIT	UNIT PRICE	AMOUNT	AMOUNT
2	Wells Water		175.00	350.00	500.00
	star				
	Volatile Organic				
TOTAL AMOUNT				350.00	200.00

AWARD INFORMATION AND REMARKS

PRICE REASONABLENESS DETERMINATION



COMPETITION

CATALOG
ITEMGOVERNMENT
ESTIMATE

BUYER'S SIGNATURE

Elaine Shiesing

DATE

1. DATE				2. DATE REQUIRED				PAGE				OF																											
3a. ORIGINATOR (Name) Edward Taylor												b. PROG ELEM 4. DELIVER TO:												5a. PROJECT MANAGER (Name)															
c. PHONE NO.				d. MAIL CODE				e. DIVISION ESD				b. PHONE NO.				6. PROCUREMENT OFF																							
7. PROCUREMENT OFFICE USE ONLY <input type="checkbox"/> ORAL ORDER-ORDER NO.												PURCHASE AUTHORITY/CONTRACT NUMBER												DISCOUNT TERMS															
VENDOR NAME AND ADDRESS												PERSON TAKING ORDER/QUOTING												FOB POINT															
												DATE				TELEPHONE NO.				DELIVERY																			
												CONTRACTING/ORDERING OFFICER								TELEPHONE NO.																			
8. FINANCIAL DATA (a) APPROPRIATION												NOTE: ITEM 8(c) DOCUMENT TYPE - Contract = "C" Purchase Order = "P" IGA = "A" Other (misc.) = "X"																											
9. SERVING FINANCE OFFICE												10. AMOUNT OF MONEY SHOWN IS COMMITTED AS: <input type="checkbox"/> ORIGINAL <input type="checkbox"/> DECREASE <input type="checkbox"/> INCREASE												11. PLANNING I.D. NO.															
12. STOCK OR ITEM NO. (12)												13. DESCRIPTION (13)												14. QUANTITY (14)				15. UNIT OF ISSUE (15)				16. UNIT COST (16)				17. AMOUNT (17)			
Well-Water Samples for the following Analyses:												No. of Samples												Analyses															
2												Volatile organics (low levels). The 30 EPA priority pollutants plus: acetone, isopropyl alcohol, methyl ethyl ketone, methyl isobutyl ketone, tetrahydrofuran, dioxane, and ethylene glycol																											
Analyses must be performed according to the methods and conditions on the attached sheet.																																							
Samples will arrive during week of June 21. Acct. No. 2TFA01LH08																																							
18. SUGGESTED CONTRACTOR/VENDOR WTC												20. SIGNATURE OF ORIGINATOR Edward Taylor												DATE 6/8/82															
												21. SIGNATURE OF PROP. MGMT. OFFICER/DESIGNEE												DATE															
19. RECOMMENDED PROCUREMENT METHOD <input type="checkbox"/> COMPETITIVE <input type="checkbox"/> NONCOMPETITIVE (Justification attached)												22. ACCOUNTABLE PROPERTY <input type="checkbox"/> INITIALS												23. NOT AVAILABLE FROM EXCESS <input type="checkbox"/> INITIALS															
24. APPROVALS																																							
b. BRANCH/OFFICE Edward Taylor												DATE 6/8/82				d. FINANCE [Signature]				DATE																			
c. DIVISION/OFFICE [Signature]												DATE 6/9/82				e. OTHER				DATE																			
f. FUNDS LISTED ABOVE ARE AVAILABLE AND RESERVED												DATE				f. OTHER				DATE																			

VOLATILE ORGANICS - LOW LEVEL

I. Method of Analysis

- Method 624, Federal Register, 12/3/79

II. Holding Time and Preservation

- Samples must be run within 7 calendar days after contractor receives samples.
- Samples must be refrigerated at 4°C.

III. Detection Limits

ppb

Priority Pollutants

1-2

acetone

100

isopropyl alcohol

100

Methyl ethyl ketone

100

Methyl isobutyl ketone

10

tetrahydrofuran

100

dioxane

100

ethylene glycol

-

IV. Due Date

- Data must be reported within 30 calendar days after contractor receives samples.

0007658

MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBERS

1. DATE OF ORDER 11/10/81	2. CONTRACT NO. (if any) CM	3. ORDER NO. 220065HALX	PAGE 1 OF 1
4. ISSUING OFFICE Region I / Boston			
5. ACCOUNTING AND APPROPRIATION DATA 68-20X8145 2TFA01ZH08 P004 03 25.35			
6. SHIP TO (Consignee and Address, ZIP Code) Environmental Protection Agency, NEEL 60 Westview St., Lexington, MA 02173			VIA 28. MAY 11 11 17 AM '82
7. TO CONTRACTOR (Name, Address, ZIP Code) GTE Laboratories, Inc. 40 Sylvan Road Waltham, MA 02154			8. TYPE OF ORDER <input checked="" type="checkbox"/> (a) Purchase Reference your Please furnish the following on the terms specified on both sides of this order and on the attached sheets, if any, including delivery as indicated. This purchase is negotiated under authority of 41 USC 252 (c) (3) <input type="checkbox"/> (b) Delivery Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.
9. REQUISITION OFFICE Edward Taylor			10. REQUISITION NO./PURCHASE AUTHORITY 82-48
11. F.O.B. POINT Destination	12. GOVERNMENT B/L NO. N/A	13. DELIVERY TO F.O.B. POINT ON OR BEFORE per call	14. DISCOUNT TERMS Net

15. SCHEDULE

Item No. (a)	Supplies or Services (b)	Quantity Ordered (c)	Unit (d)	Unit Price (e)	Amount (f)	Quantity Accepted (g)
	<p>NO EQUIPMENT WILL BE ORDERED AGAINST THIS PURCHASE ORDER.</p> <p>This Blanket Purchase Agreement is for sample analysis services. To be in effect from date of award to 9/30/82. See Work Statement attached, Groups A, B and C.</p> <p>Call Number <u> #3 </u></p> <p>Estimate <u> \$600.00 </u></p> <p>Appendix A attached is incorporated and made a part of this contract.</p> <p>Attachment A attached is incorporated and made a part of this contract.</p> <p>Alterations of terms and conditions of \$F147 dated 6/80 is made part of contract.</p>					
16. CLASSIFICATION: <input type="checkbox"/> SMALL BUSINESS <input checked="" type="checkbox"/> OTHER THAN SMALL BUSINESS <input type="checkbox"/> MINORITY BUSINESS ENTERPRISE						
SEE BILLING INSTRUCTIONS ON REVERSE	17. SHIPPING POINT	18. GROSS SHIPPING WEIGHT	19. INVOICE NO.		15. (h) Total from continuation pages	
20. MAIL INVOICE TO (Include ZIP Code) Environmental Protection Agency, JVE Federal Bldg. Boston, MA 02203 Attn: Financial Management Branch					15. (i) GRAND TOTAL	
21. UNITED STATES OF AMERICA By (Signature) Louis F. Gatto			22. NAME (Typed) Louis F. Gatto TITLE: CONTRACTING/ORDERING OFFICER			

ORDER FOR SUPPLIES OR SERVICES

147-108

NSN 7540-00-634-4105

STANDARD FORM 147 (REV. 2-77)
Prescribed by GSA, FPR (41 CFR) 1-3.605

RECEIVING REPORT (See instructions on reverse)		1. WEIGHT		2. PURCHASE ORDER NO. 2Z0065NALX, Call #3	
3. REQUISITIONING OFFICE NERL, 60 Westview St., Lexington, MA		2. NO. OF PACKAGES		5. CONTRACT NO.	
6. RECEIVED FROM VENDOR (Give name and mailing address. Include ZIP code) GTE Laboratories, Inc. 40 Sylvan Road Waltham, MA 02154				7. REQUISITION NO.	
				8. TYPE OF RECEIPT <input checked="" type="checkbox"/> PARTIAL NO. <input type="checkbox"/> FINAL	
ITEM NO. 9.	DESCRIPTION OF ARTICLE OR SERVICE 10.	QUANTITY RECEIVED 11.	UNIT 12.	*UNIT PRICE 13.	*AMOUNT 14.
	2 well water samples for extractable organics				600.00
15. REMARKS (Include date concerning supplies or services not conforming to contractual requirements)				16. * TOTAL COST OF ALL PAGES	
				17. PAGE 1 OF PAGES	
18. I certify that the articles or services indicated in the "Quantity Received" column were received on the date shown below and in the quantity and quality specified, or the services have been performed as stated, except as noted under "Remarks".					
19. DATE RECEIVED		20. SIGNATURE OF RECEIVING CLERK, SUPPLY ACTIVITY			
21. DATE RECEIVED 9/15/82		22. SIGNATURE OF AUTHORIZED EMPLOYEE, REQUISITIONING OFFICE <i>E. J. ...</i>			
23. SIGNATURE OF ACCOUNTABLE OFFICER OR DESIGNEE		24. DATE		25. VOUCHER NO.	

Authorization is hereby given for Call No. 3 of

GTE
(Company)

Samples were received on 7/28/82. Payment is
(Date)

approved.

Date: 9/13/82

Edward Taylor
Project Director

Note

There was a potential QC problem & decision
to use data was not made till 9/82

0007661



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

60 WESTVIEW STREET, LEXINGTON, MASSACHUSETTS 02173

RECEIPT OF SAMPLES FOR ANALYSIS

Received from Richard Cushman of EPA, NERL

on June 23 1982 2

samples. Sample No.'s 53339 (2 bottles each)
53340 (" " ")

per Call No. #3, PO 2Z0065NALX

Signed: Dorothy L. Huggins

Title: ATS

Company: GTE

Date: 6/23/82

2 Well Water Samples for
Extractable Organics

0007662

WORKSHEET FOR SMALL PURCHASES

REQUISITION NO.		DATE		QUOTES				
③		June 14, 1982		<input checked="" type="checkbox"/> ORAL		<input type="checkbox"/> WRITTEN		
VENDOR		ERCO		GCA		BTE		
TELEPHONE NO.		X242 661-3111		X4014 275-5444		X2764 890-8460		
DATE QUOTED BY	DATE QUOTE #	Dallas Wait		Mary Atkinson		Donald Dugger		
SB-LB-OTHER								
DELIVERY OFFER		30 days		30 days		30 days		
TERMS								
FOB POINT								
ITEM NO.	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
2	Wash Water		625.00	1250.00				\$600.00
	for							
	Extraction							
	Organics							
TOTAL AMOUNT				1250.00				600.00
AWARD INFORMATION AND REMARKS								
PRICE REASONABLENESS DETERMINATION					BUYER'S SIGNATURE		DATE	
<input checked="" type="checkbox"/> COMPETITION <input type="checkbox"/> CATALOG ITEM <input type="checkbox"/> GOVERNMENT ESTIMATE					Elaine Phisio			

EPA Form 1900-8 (Rev. 12-80) 7-80 EDITION MAY BE USED, ALL OTHERS ARE OBSOLETE

EXTRACTABLE ORGANICS

I. Methods of Analysis

Methoxychlor:	"Method for Organochlorine Pesticides in Industrial Effluents", U.S. EPA, EMSL, Cincinnati, OH, 11/28/73
2,4-D and 2,4,5-TP	"Method for Chlorinated Phenoxy Acid Herbicides in Industrial Effluents", U.S.EPA, EMSL, Cincinnati, OH, 11/28/73
Others*	Method 625, <u>Federal Register</u> , 12/3/79

*If any dioxins are found using Method 625, then method 613** must be performed to confirm the presence of 2,3,7,8-tetrachlorodibenzo-p-Dioxin. Quantitation is to be done using method 613**.

**Method 613, Federal Register, 12/3/79.

II. Holding Times and Preservation

Samples must be extracted within 7 calendar days of receipt and analyzed within 30 days of receipt.

Samples are to be refrigerated at 4°C.

III. Detection Limits

Methoxychlor, 2,4-D and 2,4,5-TP - 1 ppb

IV. Due Date

- Data must be reported within 30 calendar days after contractor receives samples.

0007665

MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBERS

1. DATE OF ORDER 11/10/81	2. CONTRACT NO. (if any) OK	3. ORDER NO. 220065HALX	PAGE 1 OF 1
4. ISSUING OFFICE Region I / Boston			
5. ACCOUNTING AND APPROPRIATION DATA 68-20X8145 2TFA01/H08 P004 04 2535			
6. SHIP TO (Consignee and Address, ZIP Code) Environmental Protection Agency, NEKL 60 Westview St., Lexington, MA 02173			VIA RET
7. TO CONTRACTOR (Name, Address, ZIP Code) GTE Laboratories, Inc. 40 Sylvan Road Waltham, MA 02154		8. TYPE OF ORDER <input checked="" type="checkbox"/> (a) Purchase Reference your _____ Please furnish the following on the terms specified on both sides of this order and on the attached sheets, if any, including delivery as indicated. This purchase is negotiated under authority of _____ 41 USC 252 (c) (3) <input type="checkbox"/> (b) Delivery Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. REQUISITION OFFICE Edward Taylor	10. REQUISITION NO./PURCHASE AUTHORITY 82-48		
11. F.O.B. POINT Destination	12. GOVERNMENT B/L NO. N/A	13. DELIVERY TO F.O.B. POINT ON OR BEFORE per call	14. DISCOUNT TERMS Net

15. SCHEDULE

Item No. (a)	Supplies or Services (b)	Quantity Ordered (c)	Unit (d)	Unit Price (e)	Amount (f)	Quantity Accepted (g)
	<p>NO EQUIPMENT WILL BE ORDERED AGAINST THIS PURCHASE ORDER.</p> <p>This Blanket Purchase Agreement is for sample analysis services. To be in effect from date of award to 9/30/82. See Work Statement attached, Groups A, B and C.</p> <p>Call Number #4</p> <p>Estimate \$1,000.00</p> <p>Appendix A attached is incorporated and made a part of this contract.</p> <p>Attachment A attached is incorporated and made a part of this contract.</p> <p>Alterations of terms and conditions of SF147 dated 6/80 is made part of contract.</p>					

16. CLASSIFICATION: <input type="checkbox"/> SMALL BUSINESS <input checked="" type="checkbox"/> OTHER THAN SMALL BUSINESS <input type="checkbox"/> MINORITY BUSINESS ENTERPRISE	15. (h) Total from continuation pages
17. SHIPPING POINT 18. GROSS SHIPPING WEIGHT 19. INVOICE NO.	15. (i) GRAND TOTAL
20. MAIL INVOICE TO (include ZIP Code) Environmental Protection Agency, JFE Federal Bldg. Boston, MA 02203 Attn: Financial Management Branch	

21. UNITED STATES OF AMERICA
By (Signature)

22. NAME (Typed)

Louis F. Gitto

TITLE: CONTRACTING/ORDERING OFFICER

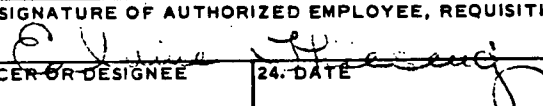
ORDER FOR SUPPLIES OR SERVICES

147-108

STANDARD FORM 147 (REV. 2-77)
Prescribed by GSA, FPR (41 CFR) 1-3.605

NSN 7540-00-634-4105

0007666

RECEIVING REPORT (See instructions on reverse)		1. WEIGHT	2. PURCHASE ORDER NO. 2Z0065NALX, Call #4		
3. REQUISITIONING OFFICE NERL, 60 Westview St., Lexington, MA		2. NO. OF PACKAGES	5. CONTRACT NO.		
6. RECEIVED FROM VENDOR (Give name and mailing address. Include ZIP code) GTE Laboratories, Inc. 40 Sylvan Road Waltham, MA 02154		7. REQUISITION NO.			
		8. TYPE OF RECEIPT <input checked="" type="checkbox"/> PARTIAL NO. <input type="checkbox"/> FINAL			
ITEM NO. 9.	DESCRIPTION OF ARTICLE OR SERVICE 10.	QUANTITY RECEIVED 11.	UNIT 12.	*UNIT PRICE 13.	*AMOUNT 14.
	14 well water samples for volatile organics				\$1000.00
15. REMARKS (Include date concerning supplies or services not conforming to contractual requirements)			16.* TOTAL COST OF ALL PAGES		
			17. PAGE 1 OF		PAGES
18. I certify that the articles or services indicated in the "Quantity Received" column were received on the date shown below and in the quantity and quality specified, or the services have been performed as stated, except as noted under "Remarks".					
19. DATE RECEIVED		20. SIGNATURE OF RECEIVING CLERK, SUPPLY ACTIVITY			
21. DATE RECEIVED 9/15/82		22. SIGNATURE OF AUTHORIZED EMPLOYEE, REQUISITIONING OFFICE 			
23. SIGNATURE OF ACCOUNTABLE OFFICER OR DESIGNEE		24. DATE		25. VOUCHER NO.	

0007667

Authorization is hereby given for Call No. 4 of

GTE

(Company)

Samples were received on 7/28/82. Payment is
(Date)

approved.

Date:

9/13/82

Edward Tyngh
Project Director

Note

There was a potential QC problem with the
analysis & decision to use data was not made till
9/82

0007668



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

60 WESTVIEW STREET, LEXINGTON, MASSACHUSETTS 02173

RECEIPT OF SAMPLES FOR ANALYSIS

Received from Richard Cushman of EPA, NERL

on June 23 1982 13

samples. Sample No.'s 53331, 53332, 53333, 53334,
53335, 53336, 53337, 53341,
53342, 53343, 53344, 53345, 53346

per Call No. #4, PO 2Z0065NALX

Signed: Donald L. Blugger

Title: MTS

Company: GTE

Date: 6/23/82

14 Well Water Samples for
Volatile Organics

0007669



16 June 1982

GCA CORPORATION
Technology Division

213 Burlington Road
Bedford, Massachusetts 01730
Telephone: 617-275-5444
Telex: 92-3339

Environmental Protection Agency
Region I - IERL
60 Westview Street
Lexington, MA 02173

Attention: Ms. Elaine Thiesing

Subject: Blanket Purchase Agreement No. 2Z0096NALX
(GCA 4-201-100-09)

Gentlemen:

GCA is pleased to confirm its verbal estimate provided this date by M. Atkinson to E. Thiesing on a firm fixed price basis in the amount of \$1,624 for analysis of fourteen (14) well water samples for low and medium level volatile organics, 30 EPA priority pollutants plus acetone, isopropyl alcohol, MEK, MIBK, and THF. The unit sample analysis cost of \$116 per sample assumes receipt of all fourteen (14) samples in a single lot.

The analysis protocol to be utilized is the "Method 624" as published in the Federal Register 12/3/79.

Sample analysis will be performed within seven (7) calendar days and GCA will provide a written report of results within thirty (30) calendar days of receipt of samples.

Should any additional information be required in conjunction with this matter, please feel free to contact the undersigned.

Very truly yours,


Arthur Engelman
Manager, Contract Administration

AE:jaf

WORKSHEET FOR SMALL PURCHASES

GPO : 1971 O - 440-545

Volatile Organics - Medium levels

I. Method of Analysis

- Method 624, Federal Register, 12/3/79

NOTE: Some volatile constituents may be present up to 20 ppm.

II. Holding time and Preservation

- Samples must be run within 7 calendar days after contractor receives samples.
- Samples must be refrigerated at 4°C.

III. Detection Limits

ppb

Priority pollutants	2
acetone	100
isopropyl alcohol	100
Methyl ethyl ketone	100
Methyl isobutyl ketone	25
tetrahydrofuran	100

IV. Due Date

- Data must be report within 30 days after contractor receives samples.

MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBERS

0007673

1. DATE OF ORDER 11/10/81		2. CONTRACT NO. (if any) GM		3. ORDER NO. 270063HALX		PAGE 1 OF 1	
4. ISSUING OFFICE Region I / Boston							
5. ACCOUNTING AND APPROPRIATION DATA 68-20X8145 2TFA01ZH08 P00303 25.25 25.35							
6. SHIP TO (Consignee and Address, ZIP Code) Environmental Protection Agency, NEEL 60 Westview St., Lexington, MA 02173						VIA	
7. TO CONTRACTOR (Name, Address, ZIP Code) Energy Resources Co., Inc. (ERCO) 185 Alewife Brook Parkway Cambridge, MA 02138						8. TYPE OF ORDER <input checked="" type="checkbox"/> (a) Purchase Reference your Please furnish the following on the terms specified on both sides of this order and on the attached sheets, if any, including delivery as indicated. This purchase is negotiated under authority of 41 USC 252 (c) (3) <input type="checkbox"/> (b) Delivery Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. REQUISITION OFFICE Edward Taylor						10. REQUISITION NO./PURCHASE AUTHORITY 82-46	
11. F.O.B. POINT Origin		12. GOVERNMENT B/L NO. N/A		13. DELIVERY TO F.O.B. POINT ON OR BEFORE per call		14. DISCOUNT TERMS Net 30	

15. SCHEDULE

Item No. (a)	Supplies or Services (b)	Quantity Ordered (c)	Unit (d)	Unit Price (e)	Amount (f)	Quantity Accepted (g)
	<p>NO EQUIPMENT WILL BE ORDERED AGAINST THIS PURCHASE ORDER.</p> <p>This Blanket Purchase Agreement is for sample analysis services. To be in effect from date of award to 9/30/82. See Work Statement attached, Groups A, B and C.</p> <p>Call Number <u>43</u></p> <p>Estimate <u>\$420.00</u></p> <p>Appendix A attached is incorporated and made a part of this contract.</p> <p>Attachment A attached is incorporated and made a part of this contract.</p> <p>Alterations of terms and conditions of SY147 dated 6/80 is made a part of contract</p>					

FILE COPY

16. CLASSIFICATION: <input type="checkbox"/> SMALL BUSINESS <input checked="" type="checkbox"/> OTHER THAN SMALL BUSINESS <input type="checkbox"/> MINORITY BUSINESS ENTERPRISE				15. (h) Total from continuation pages	
SEE BILLING INSTRUCTIONS ON REVERSE	17. SHIPPING POINT	18. GROSS SHIPPING WEIGHT	19. INVOICE NO.		15. (i) GRAND TOTAL
	20. MAIL INVOICE TO (Include ZIP Code) Environmental Protection Agency, JFK Federal Bldg. Boston, MA 02203 Attn: Financial Management Branch				
21. UNITED STATES OF AMERICA By (Signature)				22. NAME (Typed) Louis F. Gatto	
TITLE: CONTRACTING/ORDERING OFFICER					

ORDER FOR SUPPLIES OR SERVICES

147-108

STANDARD FORM 147 (REV. 2-77)
Prescribed by GSA, FPR (41 CFR) 1-3.605

NSN 7540-00-634-4105

RECEIVING REPORT (See instructions on reverse)		1. WEIGHT	2. PURCHASE ORDER NO. 220063NALX, Call #3		
3. REQUISITIONING OFFICE NERL, 60 Westview St., Lexington, MA		2. NO. OF PACKAGES	5. CONTRACT NO.		
6. RECEIVED FROM VENDOR (Give name and mailing address. Include ZIP code) Energy Resources Co., Inc. (ERCO) 185 Alewife Brook Parkway Cambridge, MA 02138		7. REQUISITION NO.		8. TYPE OF RECEIPT <input type="checkbox"/> PARTIAL NO. <input type="checkbox"/> FINAL	
ITEM NO. 9.	DESCRIPTION OF ARTICLE OR SERVICE 10.	QUANTITY RECEIVED 11.	UNIT 12.	*UNIT PRICE 13.	*AMOUNT 14.
	Analysis of 2 well water samples for metals				\$420.00
15. REMARKS (Include date concerning supplies or services not conforming to contractual requirements)			16. * TOTAL COST OF ALL PAGES		
			17. PAGE 1 OF		PAGES
18. I certify that the articles or services indicated in the "Quantity Received" column were received on the date shown below and in the quantity and quality specified, or the services have been performed as stated, except as noted under "Remarks".					
19. DATE RECEIVED		20. SIGNATURE OF RECEIVING CLERK, SUPPLY ACTIVITY			
21. DATE RECEIVED 9/15/82		22. SIGNATURE OF AUTHORIZED EMPLOYEE, REQUISITIONING OFFICE			
23. SIGNATURE OF ACCOUNTABLE OFFICER OR DESIGNEE		24. DATE		25. VOUCHER NO.	

0007675

Authorization is hereby given for Call No. #3 of

ERCO
(Company)

Samples were received on 7/23/82. Payment is
(Date)

approved.

Duplicate - Orig. sent 7/29/82

Date: 9/15/82

Edward Taylor
Project Director

0007676



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

60 WESTVIEW STREET, LEXINGTON, MASSACHUSETTS 02173

RECEIPT OF SAMPLES FOR ANALYSIS

Received from Richard Cushman of EPA, NERL

on June 23 1982 2

samples. Sample No.'s 53339, 53340

per Call No. #3, PO #2Z0063NALX

Signed: Dallas Wait
Title: Senior Organic Chemist
Company: ERCO
Date: 6/23/82

2 Well Water Sample for Metals

0007677



16 June 1982

GCA CORPORATION
Technology Division

213 Burlington Road
Bedford, Massachusetts 01730
Telephone: 617-275-5444
Telex: 92-3339

Environmental Protection Agency
Region I-IERL
60 Westview Street
Lexington, MA 02173

Attention: Ms. Elaine Thiesing

Subject: Blanket Purchase Agreement No. 220096NALX
(GCA 4-201-100-06)

Gentlemen:

GCA is pleased to confirm its verbal estimate provided this date by M. Atkinson to E. Thiesing on a firm fixed price basis in the amount of \$650 for analysis of two (2) well water samples for the following metals: Ba, Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, and Zn. The unit sample analysis cost of \$325 per sample assumes receipt of both samples in a single lot.

The analysis protocol to be utilized is the "Method for Chemical Analysis of Water and Waste," (3/79), EPA-600-4-79-020.

GCA will provide a written report of results within thirty (30) calendar days of receipt of samples.

Should any additional information be required in conjunction with this matter, please feel free to contact the undersigned.

Very truly yours,


Arthur Engelman
Manager, Contract Administration

AE:jaf

WORKSHEET FOR SMALL PURCHASES

GPO : 1971 O - 449-545

METALS

I. Methods of Analysis and Detection Limits

("Methods for Chemical Analysis of Water and Wastes"
(3/79) EPA-600-4/79-020)

<u>Metal</u>	<u>Mtd.</u>	<u>Detection Limit, ppb</u>
Ba	208.1*	100
Sb	204.2	5
As	206.2, 206.3	3
Be	210.1*	10
Cd	213.1*	10
Cr	218.1*	50
Cu	220.1	50
Pb	239.1*	100
Hg	245.1, 245.2	0.2
Ni	249.1*	100
Se	270.2, 270.3	5
Ag	272.1**	10
Tl	279.2**	5
Zn	289.1*	10

*Precede this method with digestion described in section Metals 4.1.3 or 4.1.4.

**Precede this method with digestion described in section Metals 4.1.3 or 4.1.4 except that no Hcl is used.

II. Due Date

- Data must be reported within 30 days after contractor receives samples.

0007681

MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBERS

1. DATE OF ORDER 11/10/81	2. CONTRACT NO. (if any) OM	3. ORDER NO. 220063HALX	PAGE 1 OF 1
-------------------------------------	---------------------------------------	-----------------------------------	-----------------------

4. ISSUING OFFICE
Region I / Boston

5. ACCOUNTING AND APPROPRIATION DATA

68-20X8145 2TFA01H08 P0031 4 25-25 25-35

6. SHIP TO (Consignee and Address, ZIP Code)

**Environmental Protection Agency, NEEL
60 Westview St., Lexington, MA 02173**

VIA

7. TO CONTRACTOR (Name, Address, ZIP Code)

**Energy Resources Co., Inc. (ERCO)
185 Alewife Brook Parkway
Cambridge, MA 02138**

8. TYPE OF ORDER

☒ (a) Purchase Reference your

Please furnish the following on the forms specified on both sides of this order and on the attached sheets, if any, including delivery as indicated. This purchase is negotiated under authority of

41 USC 252 (c) (3)

☐ (b) Delivery Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. REQUISITION OFFICE

Edward Taylor

10. REQUISITION NO./PURCHASE AUTHORITY

82-46

11. F.O.B. POINT

Origin

12. GOVERNMENT B/L NO.

N/A

13. DELIVERY TO F.O.B. POINT ON OR BEFORE

per call

14. DISCOUNT TERMS

Net 30

15. SCHEDULE

Item No. (a)	Supplies or Services (b)	Quantity Ordered (c)	Unit (d)	Unit Price (e)	Amount (f)	Quantity Accepted (g)
	<p>NO EQUIPMENT WILL BE ORDERED AGAINST THIS PURCHASE ORDER.</p> <p>This Blanket Purchase Agreement is for sample analysis services. To be in effect from date of award to 9/30/82. See Work Statement attached, Groups A, B and C.</p> <p>Call Number <u>44</u></p> <p>Estimate <u>\$100.00</u></p> <p>Appendix A attached is incorporated and made a part of this contract.</p> <p>Attachment A attached is incorporated and made a part of this contract.</p> <p>Alterations of terms and conditions of SY147 dated 6/80 is made a part of contract</p>					

FILE COPY

16. CLASSIFICATION:

☐ SMALL BUSINESS

☒ OTHER THAN SMALL BUSINESS

☐ MINORITY BUSINESS ENTERPRISE

15. (h) Total from continuation pages

SEE BILLING INSTRUCTIONS ON REVERSE

17. SHIPPING POINT

18. GROSS SHIPPING WEIGHT

19. INVOICE NO.

20. MAIL INVOICE TO (Include ZIP Code)

**Environmental Protection Agency, JFK Federal Bldg.
Boston, MA 02203 Attn: Financial Management Branch**

15. (i) GRAND TOTAL

21. UNITED STATES OF AMERICA
By (Signature)

22. NAME (Typed)

Louis F. Gittle

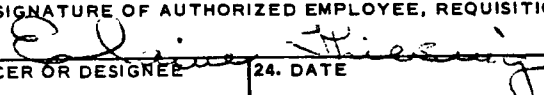
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES

147-108

STANDARD FORM 147 (REV. 2-77)
Prescribed by GSA, FPR (41 CFR) 1-3.605

NSN 7540-00-634-4105

RECEIVING REPORT (See instructions on reverse)		1. WEIGHT		2. PURCHASE ORDER NO. 2Z0063NALX, Call #4	
3. REQUISITIONING OFFICE NERL, 60 Westview St., Lexington, MA		2. NO. OF PACKAGES		5. CONTRACT NO.	
6. RECEIVED FROM VENDOR (Give name and mailing address. Include ZIP code) Energy Resources Inc. 185 Alewife Brook Parkway Cambridge, MA 02138				7. REQUISITION NO.	
				8. TYPE OF RECEIPT <input checked="" type="checkbox"/> PARTIAL NO. <input type="checkbox"/> FINAL	
ITEM NO. 9.	DESCRIPTION OF ARTICLE OR SERVICE 10.	QUANTITY RECEIVED 11.	UNIT 12.	*UNIT PRICE 13.	*AMOUNT 14.
	Analysis of 4 samples				100.00
15. REMARKS (Include date concerning supplies or services not conforming to contractual requirements)				16. * TOTAL COST OF ALL PAGES	
				17. PAGE 1 OF PAGES	
18. I certify that the articles or services indicated in the "Quantity Received" column were received on the date shown below and in the quantity and quality specified, or the services have been performed as stated, except as noted under "Remarks".					
19. DATE RECEIVED		20. SIGNATURE OF RECEIVING CLERK, SUPPLY ACTIVITY			
21. DATE RECEIVED 9-9-82		22. SIGNATURE OF AUTHORIZED EMPLOYEE, REQUISITIONING OFFICE 			
23. SIGNATURE OF ACCOUNTABLE OFFICER OR DESIGNEE		24. DATE		25. VOUCHER NO.	

0007683

Authorization is hereby given for Call No. 4 of

ERCO

(Company)

Samples were received on 7/23/82. Payment is
(Date)

approved.

Date:

Edward Tyle
Project Director
7/29/82

0007684



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

60 WESTVIEW STREET, LEXINGTON, MASSACHUSETTS 02173

RECEIPT OF SAMPLES FOR ANALYSIS

Received from Richard Cushman of EPA, NERL

on June 23 1982 2

samples. Sample No.'s 53339 + 53340*

per Call No. #4, PO 2Z0063NALX

Signed: Dallas Wait
Title: Senior Organic Chemist
Company: ERCO
Date: 6/23/82

2 Well Water Samples for Nitrate
2 Well Water Samples for Fluoride

ERCO

* Separate bottle for each analysis.



One Alewife Place
Cambridge, Massachusetts 02138
(617) 661-3111 TWX 710-320-0721

Denver, Colorado
Houston, Texas
La Jolla, California
Midland, Texas
Oklahoma City, Oklahoma

Paris, France
Walnut Creek, California
Washington, D.C.
Zurich, Switzerland

June 24, 1982

Ms. Elaine Theisling
EPA Region I
60 Westview Street
Lexington, MA 02173

Dear Ms. Theisling:

This is to confirm two verbal bids given to you by telephone on 6 well water sample analyses.

Bid #1 - 2 well waters for:	
Ba, Sb, As, Be, Cd, Cr, Cd, Pb, Hg,	
Ni, Se, Ag, Tl, Zn (by EPA methods)	\$420.00
Total:	\$420.00

Bid #2 - 4 well waters for:	
2-Nitrate (EPA methods)	\$ 60.00
2-Fluoride (EPA methods)	40.00
Total:	\$100.00

The results would be delivered to you within ³⁰~~45~~ days of sample receipt. If there are any questions, please do not hesitate to call.

Sincerely,

Nile A. Luedtke
Nile A. Luedtke

NAL:pam

0007686



GCA CORPORATION
Technology Division

213 Burlington Road
Bedford, Massachusetts 01730
Telephone: 617-275-5444
Telex: 92-3339

16 June 1982

Environmental Protection Agency
Region I - IERL
60 Westview Street
Lexington, MA 02173

Attention: Ms. Elaine Thiesing

Subject: Blanket Purchase Agreement No. 2Z0096NALX
(GCA 4-201-100-008)

Gentlemen:

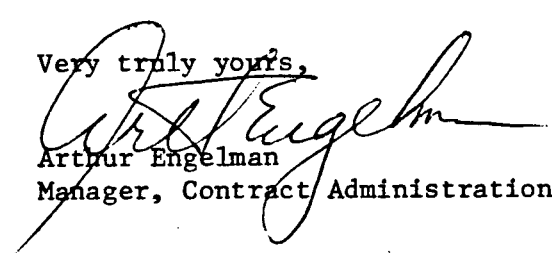
GCA is pleased to confirm its verbal estimate provided this date by M. Atkinson to E. Thiesing on a firm fixed price basis in the amount of \$166 for analysis of two (2) well water samples for nitrate only and two (2) well water samples for fluoride (preceded by distillation).

The analysis protocol to be utilized is the "Method for Chemical Analysis of Water and Waste," (3779), EPA 600-4-79-020.

Sample analysis will be performed within seven (7) calendar days and GCA will provide a written report of results within thirty (30) calendar days of receipt of samples.

Should any additional information be required in conjunction with this matter, please feel free to contact the undersigned.

Very truly yours,


Arthur Engelman
Manager, Contract Administration

AE:jaf

0007687

WORKSHEET FOR SMALL PURCHASES

REQUISITION NO. (4)		DATE June 14, 1982		QUOTES <input checked="" type="checkbox"/> ORAL <input type="checkbox"/> WRITTEN			
VENDOR E RCO		X 2764		GCA		GTE	
TELEPHONE NO. 661-3111		432		X 4014		X 2764	
DATE QUOTED BY Dallas Wait		DATE QUOTE #		275-5444		890-8460	
DATE QUOTED BY		DATE QUOTE #		Mary Atkinson		Donald Dugger	
SB-LB-OTHER							
DELIVERY OFFER		30 days		30 days		30 days	
TERMS							
FOB POINT							
ITEM NO.	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE
2	Well Water		60.00				Declined
	for Nitrate			\$100.00		\$166.00	
2	Well Water		40.00				
	for Fluoride						
TOTAL AMOUNT			100.00		166.00		
AWARD INFORMATION AND REMARKS							
PRICE REASONABLENESS DETERMINATION					BUYER'S SIGNATURE		DATE
<input checked="" type="checkbox"/> COMPETITION <input type="checkbox"/> CATALOG ITEM <input type="checkbox"/> GOVERNMENT ESTIMATE					Elaine Shasing		

NITRATE AND FLUORIDE

I. Methods of Analysis

(Refer to Methods for Chemical Analysis of Water and Wastes,
March, 1979, EPA-600-4/79-020)

A. Fluoride - Method 340.2 preceded by the distillation in
method 340.1.

B. Nitrate - Method 352.1, 353.1*, 353.2* or 353.3*

*Nitrite must be subtracted from the "Nitrate plus nitrite" values.

II. Holding Times and Preservation

- Analyses (for both) must be run within 7 calendar days after the
contractor receives the samples.

- Samples must be refrigerated at 4°C.

III. Detection Limit

- For both: 0.1 ppm

IV. Due Date

- Data must be reported within 30 calendar days after contractor
receives samples.